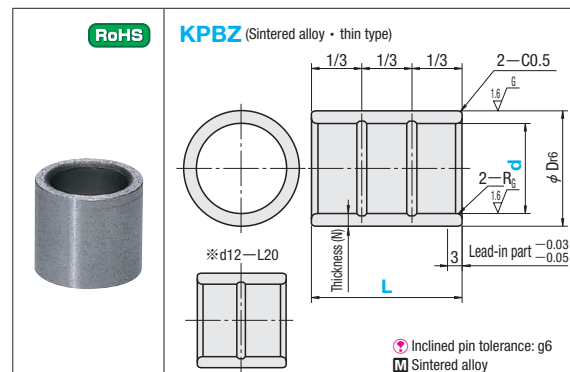


INCLINED PIN LEADER OIL-FREE BUSHINGS

—SINTERED ALLOY · THIN TYPE / COPPER ALLOY STANDARD TYPE—

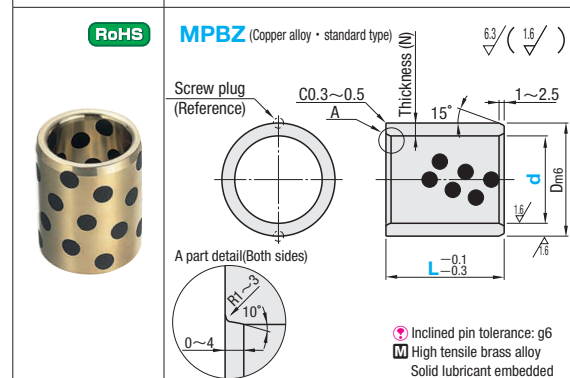
OIL-FREE SLIDE BLOCKS FOR BLOCK LOOSE CORE

Ⓜ Non JIS material definition is listed on P.1351 - 1352



d Tolerance	D16	Thickness (N)	Hole size (Recommended) (H7)	R	Part Number Type	d	L	U/Price 1~9
12	+0.049 +0.038	16	+0.034 +0.023	2	16	+0.018 0	1.0	12 20
16	+0.053 +0.042	21	+0.041 +0.028	2.5	21	+0.021 0	1.5	25 35
20	+0.060 +0.047	26	+0.050 +0.034	3	26	+0.025 0		30 35
25	+0.065 +0.052	31	+0.050 +0.034	3	31	+0.025 0		25 35

Ⓜ Inclined pin tolerance: g6
Ⓜ Sintered alloy



dF7	D16	Thickness (N)	Hole size (Recommended) (H7)	Screw plugs (Recommended)	Part Number Type	d	L	U/Price 1~49
12	+0.034 +0.016	18	+0.018 +0.007	3	18	+0.018 0	M4×8	12 20 25
16	+0.041 +0.028	22	+0.021 +0.008	3	22	+0.021 0	M4×8	16 30 35
20	+0.041 +0.020	28	+0.025 +0.009	4	28	+0.025 0	M5×8	20 35 40
25	+0.041 +0.020	33	+0.025 +0.009	4	33	+0.025 0	M5×8	25 40 50
30	+0.041 +0.020	38	+0.025 +0.009	4	38	+0.025 0	M6×16	30 40 50

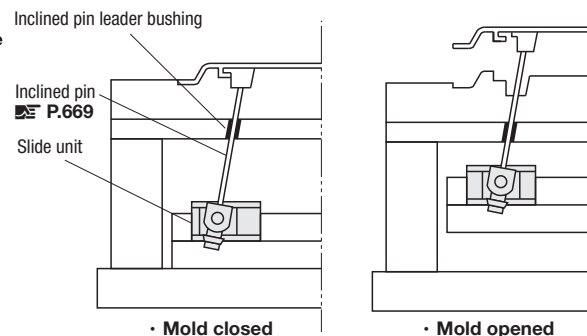
Ⓜ Inclined pin tolerance: g6
Ⓜ High tensile brass alloy
Ⓜ Solid lubricant embedded

Order Part Number — L
KPZ20 — 30
MPBZ16 — 20

Example **EX**

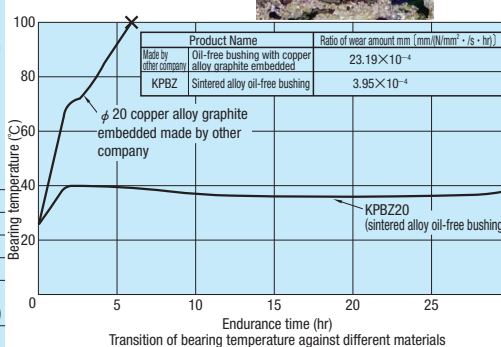
Days to Ship **Quotation**

Price **Quotation**



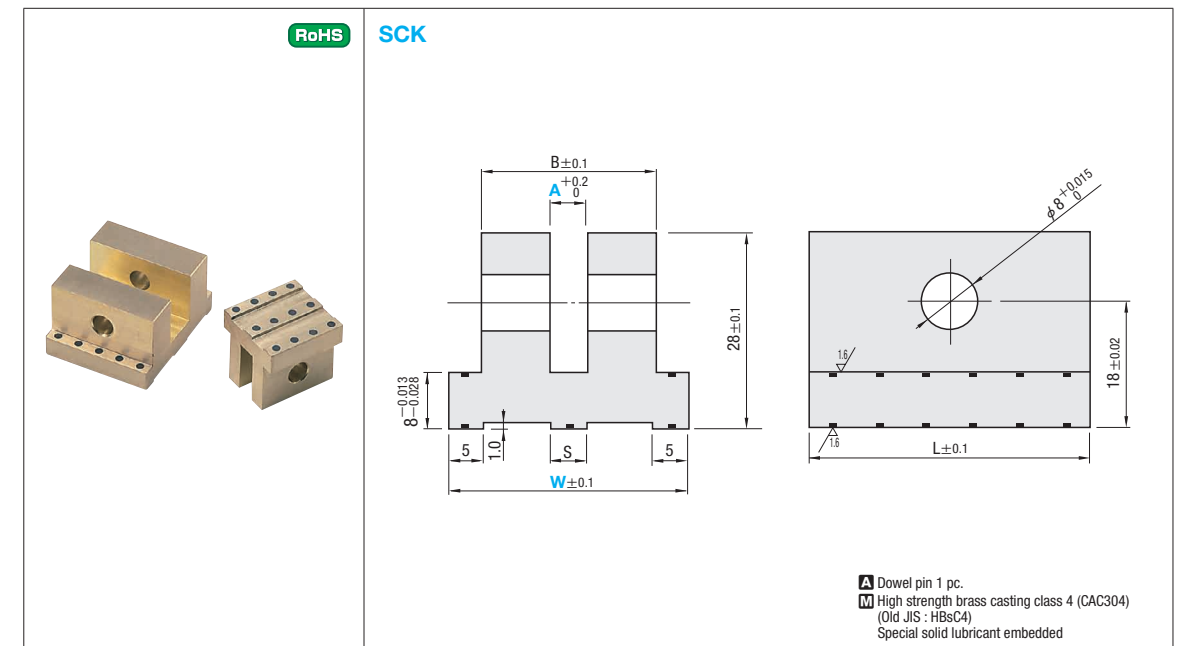
• Testing conditions
Testing machine: reciprocation testing machine
Bushing: d20-D28
Side pressure: 120N/mm² (12kgf/mm²)
Speed: 30m/min (300spm)
Stroke amount: 50mm
Lubrication: spreading initial simple grease

• Burning alloy structure
Special alloy
Graphite
Empty hole (including oil soaked)



■ Features and scope of use
* Can also be used in an oil-free condition, but even better performance can be obtained by using running-in grease or oil.

Characteristics	KPZ20 (Sintered alloy · thin type)		MPBZ16 (Copper alloy · standard type)	
	Lubrication-free	Regular lubrication	Lubrication-free	Regular lubrication
Operating temp range	-40~120°C	-40~150°C	-40~200°C	-40~150°C
Allowable max. speed V	60m/min	60m/min	30m/min	60m/min
Allowable max. load P	2900N/cm ² (296kgf/cm ²)	2900N/cm ² (296kgf/cm ²)	2900N/cm ² (296kgf/cm ²)	2900N/cm ² (296kgf/cm ²)
Allowable max. PV value	9800N/cm ² · m/min (1000kgf/cm ² · m/min)	19515N/cm ² · m/min (1990kgf/cm ² · m/min)	9900N/cm ² · m/min (1010kgf/cm ² · m/min)	19515N/cm ² · m/min (1990kgf/cm ² · m/min)
Hardness	90HRM (JIS Z2245)	90HRM (JIS Z2245)	HB210 (JIS Z2243, 2245)	HB210 (JIS Z2243, 2245)



Ⓜ Dowel pin 1 pc.
Ⓜ High strength brass casting class 4 (CAC304) (Old JIS : HBsC4)
Ⓜ Special solid lubricant embedded

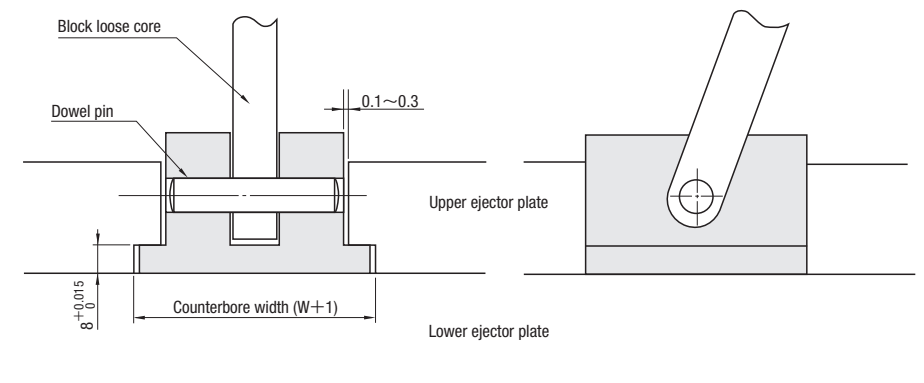
B	S	L	A	Part Number		U/Price 1~9
				Type	W	
20	5	30	MS8-20	29	3~10	
25	5	40	MS8-25	34	3~15	Quotation
40	10	40	MS8-40	49	3~25	

Order Part Number — A
SCK34 — 10

Days to Ship **Quotation**

Price **Quotation**

Example **EX**
(1) Insert the slide block between the top and bottom ejector plates.
(2) Fix the block loose core with the supplied φ8 dowel pin.



Slide Cores
Loose Cores